

FIGURE 1

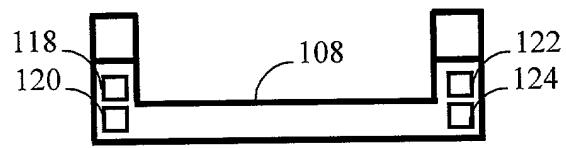


FIGURE 2A

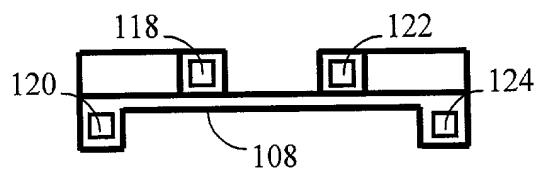


FIGURE 2B

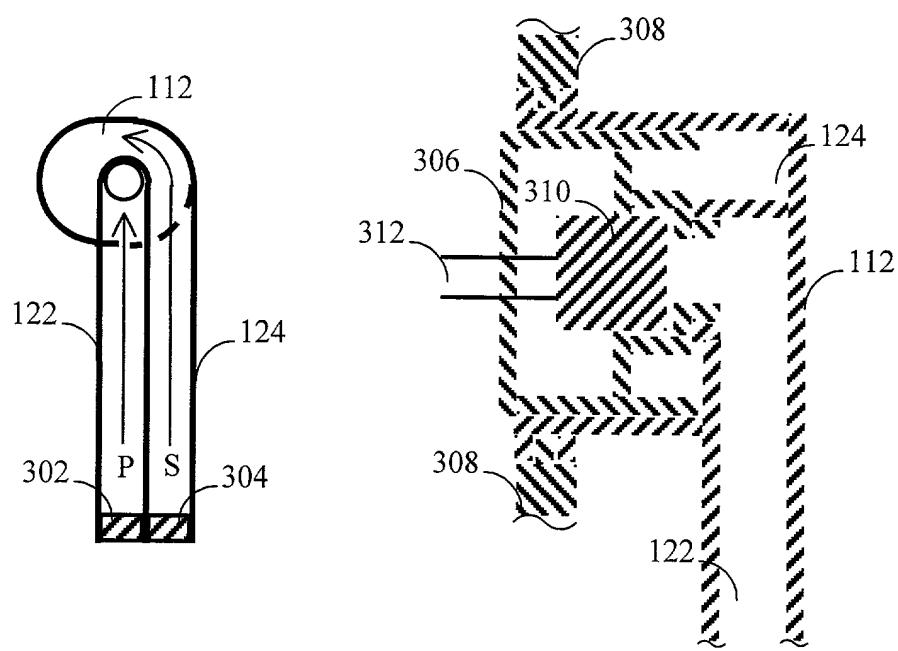


FIGURE 3

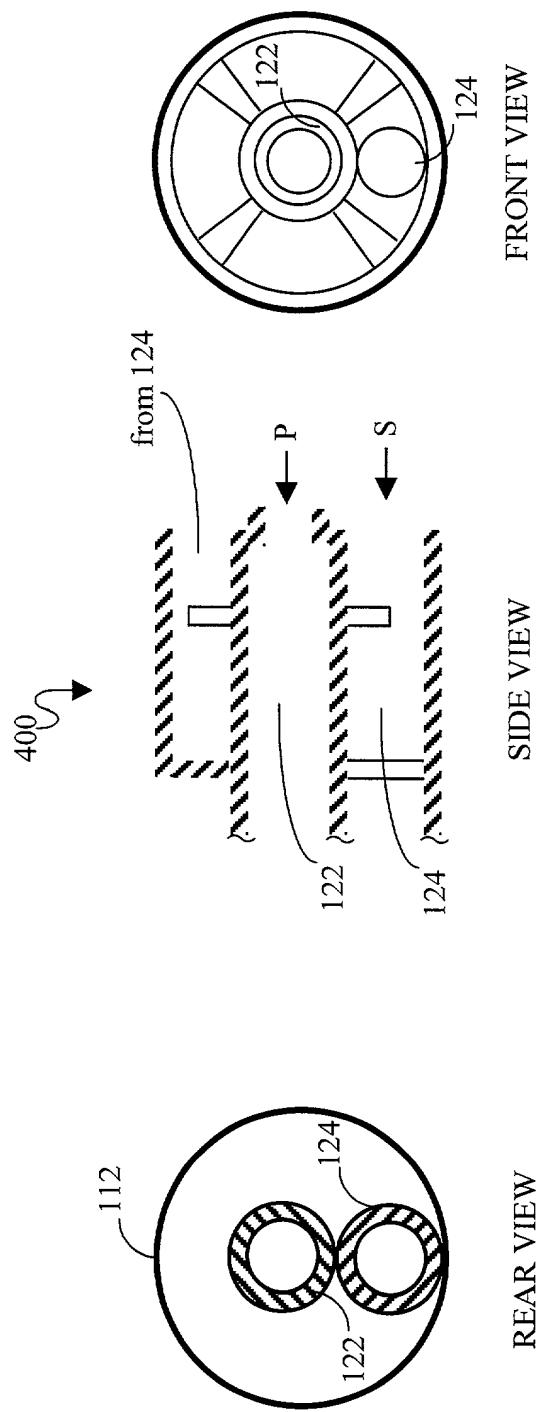


FIGURE 4

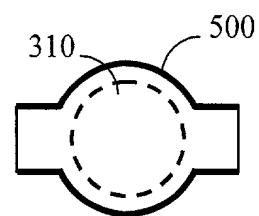
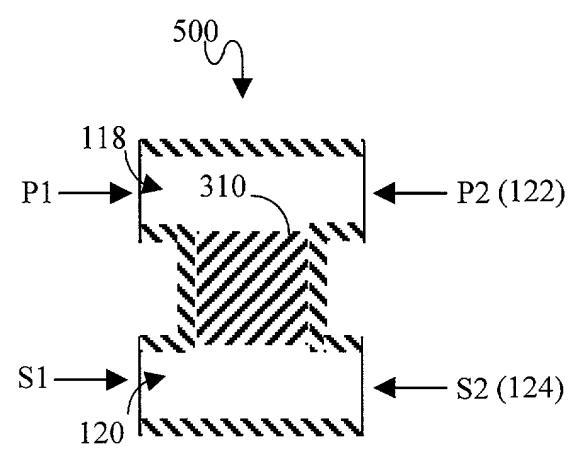


FIGURE 5

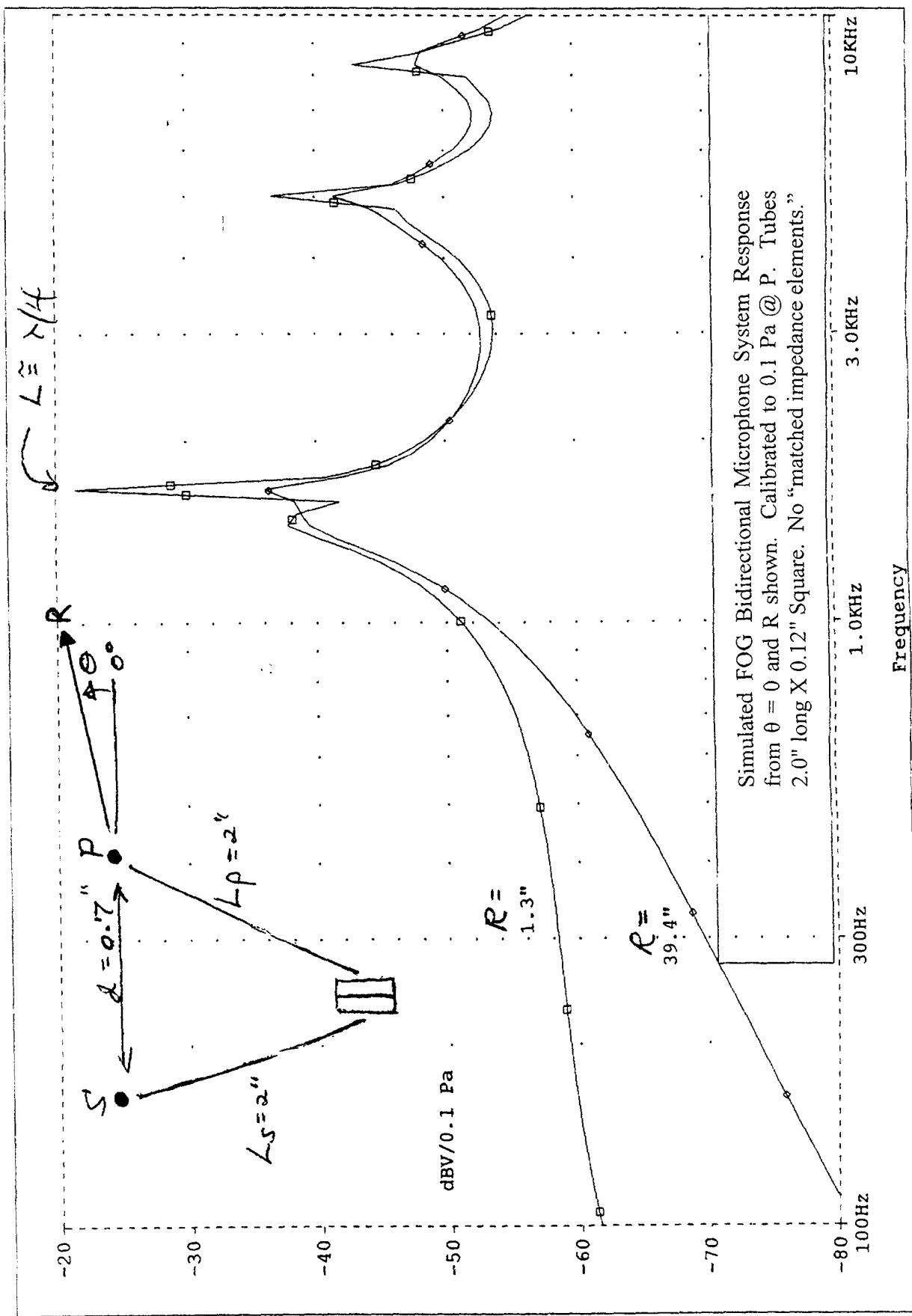
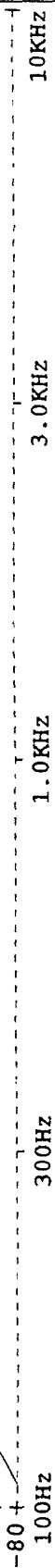


FIGURE 6

FIGURE 7

Frequency



Simulation is the same as for Figure 6, but with "matched impedance" elements added.

-20

-30

-40

-50

-60

-70

-80

100Hz

300Hz

1.0KHz

3.0KHz

10KHz

Simulated 500 Hertz Polar Response for Figure 7, but L_s is as shown. $R = 39.4"$.

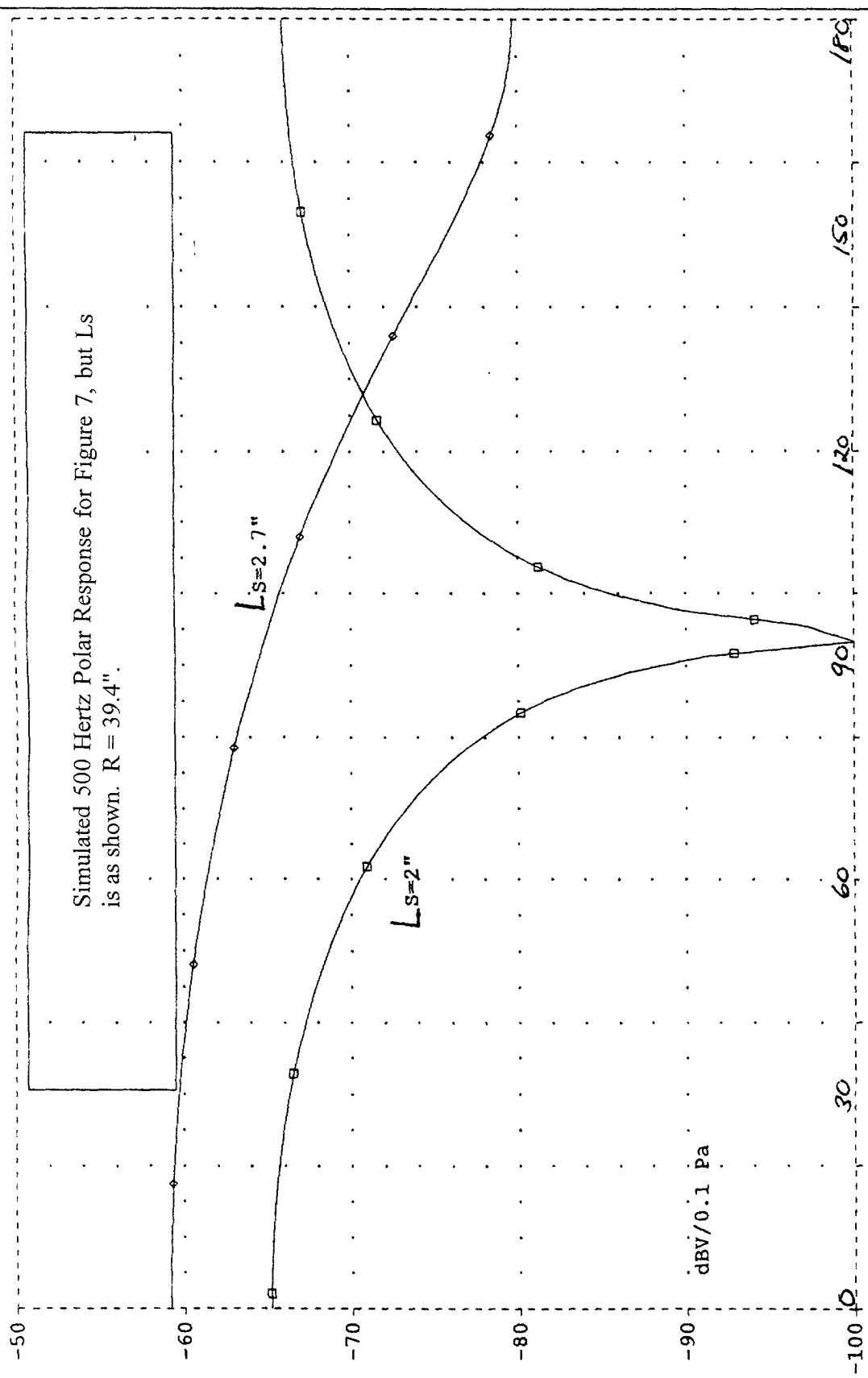
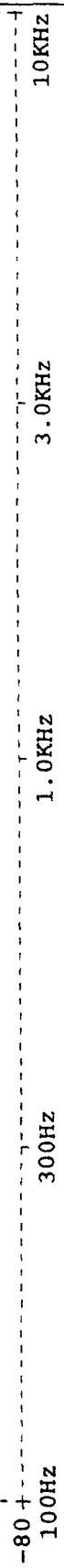


FIGURE 8
Degrees

FIGURE 9

Frequency



Simulations are the same as for Figure 7 for $R = 1.3$, but with additional Port-to-“Matched Impedance” ratios shown.